

DNA pull-down Kit (For Plant)

Cat. No. KITMI-DP06P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DNA pull down technique is a powerful tool to study the interaction between DNA and protein in vitro. In this technology, specific DNA probes are designed for the target region and the DNA probe is labeled with biotin. The biotin labeled probes can bind to the magnetic beads coupled with streptavidin. With incubating with total protein extracts, the DNA-binding proteins can bind specifically to the DNA probes to form magnetic bead-DNA probe-protein complexes. The non-specific proteins are washed away, and then the target DNA probe-protein complex was obtained by elution. Finally, the protein type is identified by Western Blot or mass spectrometry (MS). In contrast to the DNA pull-down Kit for animal, this kit covers special plant lysis buffer and is primarily used to study plant protein-DNA interactions
Size	6 tests
Storage	Protease inhibitor needs to be stored at -20°C and the rest stored at 4°C
Applications	Study the protein and DNA interaction
Notes	6 tests refer to 6 times of single group (1 experimental group or 1 control group) immunoprecipitation experiment. The following procedure includes 1 group of experimental group and 1 group of control group, which needs to consume 2 test reagents.
Shipping	On Ice
Kit Components	Plant Lysis buffer: 9mL

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Plant Protease inhibitor (100 X): 35uL

Nucleic dilution buffer: 30mL

Protein dilution buffer: 45mL

Nucleic-Acid Compatible Streptavidin Magnetic Beads: 200uL

Elution buffer: 800uL

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